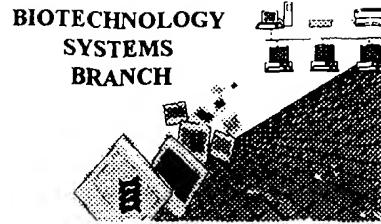


C-M
Lam

Re-run



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/595,947 D
Source: 1600
Date Processed by STIC: 10/27/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03; TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/595,947D

DATE: 10/27/2003
TIME: 09:29:14

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\10272003\I595947D.raw

5 <110> APPLICANT: ICARD-LIEPKALNS, Christine
6 Mallet, Jacques
7 RAVASSARD, Philippe
9 <120> TITLE OF INVENTION: POLYPEPTIDES OF THE "BASIC-HELIX-LOOP-HELIX" bHLH
10 FAMILY, CORRESPONDING NUCLEIC ACID SEQUENCES
12 <130> FILE REFERENCE: P26,952 USA
14 <140> CURRENT APPLICATION NUMBER: US 09/595,947D
15 <141> CURRENT FILING DATE: 2000-06-16
17 <150> PRIOR APPLICATION NUMBER: FR96/15651
18 <151> PRIOR FILING DATE: 1996-12-19
20 <150> PRIOR APPLICATION NUMBER: PCT/FR97/02368
21 <151> PRIOR FILING DATE: 1997-12-19
23 <150> PRIOR APPLICATION NUMBER: US 09/331,356
24 <151> PRIOR FILING DATE: 1999-07-12
26 <160> NUMBER OF SEQ ID NOS: 40
28 <170> SOFTWARE: PatentIn Ver. 3.1

PP 10214-9

ERRORED SEQUENCES

129 <210> SEQ ID NO: 5
130 <211> LENGTH: 18
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primers
137 <400> SEQUENCE: 5 cgcgggtgtcc tgccca 18
E--> 137 5 cgcgggtgtcc tgccca 18 *move this under <400> 5 line*
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 214
166 <212> TYPE: PRT
167 <213> ORGANISM: Rattus norvegicus
169 <400> SEQUENCE: 8
170 Met Ala Pro His Pro Leu Asp Ala Pro Thr Ile Gln Val Ser Gln Glu
171 1 5 10 15
173 Thr Gln Gln Pro Phe Pro Gly Ala Ser Asp His Glu Val Leu Ser Ser
174 20 25 30
176 Asn Ser Thr Pro Pro Ser Pro Thr Leu Val Pro Arg Asp Cys Ser Glu
177 35 40 45
179 Ala Glu Ala Gly Asp Cys Arg Gly Thr Ser Arg Lys Leu Arg Ala Arg
180 50 55 60
182 Arg Gly Gly Arg Asn Arg Pro Lys Ser Glu Leu Ala Leu Ser Lys Gln
183 65 70 75 80

P.2

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\10272003\I595947D.raw

185 Arg Arg Ser Arg Arg Lys Lys Ala Asn Asp Arg Glu Arg Asn Arg Met
186 85 90 95
E--> 188 His Asn Leu Asn Ser Ala Leu Asp Ala Leu Arg Gly Val Leu Pro Thr
E--> 189 100 105 110
191 Phe Pro Asp Asp Ala Lys Leu Thr Lys Ile Glu Thr Leu Arg Phe Ala
E--> 192 115 120 125
194 His Asn Tyr Ile Trp Ala Leu Thr Gln Thr Leu Arg Ile Ala Asp His
E--> 195 130 135 140
197 Ser Phe Tyr Gly Pro Glu Pro Pro Val Pro Cys Gly Glu Leu Gly Ser
E--> 198 145 150 155 160
200 Pro Gly Gly Ser Ser Gly Asp Trp Gly Ser Ile Tyr Ser Pro Val
E--> 201 165 170 175
203 Ser Gln Ala Gly Ser Leu Ser Pro Thr Ala Ser Leu Glu Glu Phe Pro
E--> 204 180 185 190
206 Gly Leu Gln Val Pro Ser Ser Pro Ser Cys Leu Leu Pro Gly Thr Leu
E--> 207 195 200 205
209 Val Phe Ser Asp Phe Leu
E--> 210 210
266 <210> SEQ ID NO: 10
267 <211> LENGTH: 214
268 <212> TYPE: PRT
269 <213> ORGANISM: Homo sapiens
271 <400> SEQUENCE: 10
272 Met Thr Pro Gln Pro Ser Gly Ala Pro Thr Val Gln Val Thr Arg Glu
273 1 5 10 15
275 Thr Glu Arg Ser Phe Pro Arg Ala Ser Glu Asp Glu Val Thr Cys Pro
276 20 25 30
278 Thr Ser Ala Pro Pro Ser Pro Thr Arg Thr Pro Gly Asn Cys Ala Glu
279 35 40 45
281 Ala Glu Glu Gly Gly Cys Arg Gly Ala Pro Arg Lys Leu Arg Ala Arg
282 50 55 60
284 Arg Gly Gly Arg Ser Arg Pro Lys Ser Glu Ile Ala Leu Ser Lys Gln
285 65 70 75 80
287 Arg Arg Ser Arg Arg Lys Lys Ala Asn Asp Arg Glu Arg Asn Arg Met
288 85 90 95
290 His Asp Ile Asn Ser Ala Leu Asp Ala Leu Arg Gly Val Leu Pro Thr
291 100 105 110
293 Phe Pro Asp Asp Ala Lys Leu Thr Ile Glu Thr Leu Arg Phe Ala
294 115 120 125
296 His Asn Tyr Ile Trp Ala Leu Thr Gln Thr Leu Arg Ile Ala Asp His
297 130 135 140
E--> 299 Ser Leu Tyr Ala Leu Glu Pro Pro Ala Pro His Cys Gly Glu Leu Gly
300 145 150 155 160
302 Ser Pro Gly Gly Pro Pro Gly Asp Trp Gly Ser Ile Tyr Ser Pro Val
303 165 170 175
304 Ser Gln Ala Gly Ser Leu Ser Pro Ala Ala Ser Leu Glu Glu Arg Pro
305 180 185 190
307 Gly Leu Leu Gly Ala Thr Ser Ser Ala Cys Leu Ser Pro Gly Ser Leu
308 195 200 205

2
see p. 4
for explanation

OK - These
numbers are
in bold print
due to above
error

use 1, not the
numerical 1

Glu
====

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/595,947D

DATE: 10/27/2003

TIME: 09:29:14

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\10272003\I595947D.raw

3

310 Ala Phe Ser Asp Phe Leu
311 210

09/595,947D 4

<210> 8
<211> 214
<212> PRT
<213> Rattus norvegicus

<400> 8

Met Ala Pro His Pro Leu Asp Ala Pro Thr Ile Gln Val Ser Gln Glu
1 5 10 15

Thr Gln Gln Pro Phe Pro Gly Ala Ser Asp His Glu Val Leu Ser Ser
20 25 30

Asn Ser Thr Pro Pro Ser Pro Thr Leu Val Pro Arg Asp Cys Ser Glu
35 40 45

Ala Glu Ala Gly Asp Cys Arg Gly Thr Ser Arg Lys Leu Arg Ala Arg
50 55 60

Arg Gly Gly Arg Asn Arg Pro Lys Ser Glu Leu Ala Leu Ser Lys Gln
65 70 75 80

Arg Arg Ser Arg Arg Lys Lys Ala Asn Asp Arg Glu Arg Asn Arg Met
85 90 95

His Asn Leu Asn Ser Ala Leu Asp Ala Leu Arg Gly Val Leu Pro Thr
100 105 110

What does this mean? Is it a typographical error? If it represents a gap, then the amino acids following it must begin a new sequence ID. No. and the <160> response must be changed.

09/595,947D 5

<210> 13
<211> 60
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Primer

<400> 13

atcgttgaga ctcgttaccag cagagtacg agagagacta cacggtactg nnnnnnnnnn 60

see p. 6 for error
explanation

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/595,947D

DATE: 10/27/2003
TIME: 09:29:15

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\10272003\1595947D.raw

error explanation
Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:2; N Pos. 9,16

Seq#:13; N Pos. 52,53,54,55,56,57,58,59,60

See P.7 for more error

09/5/95, 9410 7

<210> 26

<211> 15

<212> DNA

<213> Artificial Sequence

✓ insert a hard return

<220> <223> Description of Artificial Sequence: Probe

<400> 26

aggaagctcc gggca 15.

<210> 27

<211> 1381

<212> RNA

<213> Artificial Sequence

✓ hard return

<220> <223> Description of Artificial Sequence: Probe

<400> 27

<212>
paces
thin
acket

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/595,947D

DATE: 10/27/2003
TIME: 09:29:15

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\10272003\I595947D.raw

L:100 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:2
L:100 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:2
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:137 M:301 E: (44) No Sequence Data was Shown, SEQ ID:5
L:137 M:252 E: No. of Seq. differs, <211> LENGTH:Input:18 Found:0 SEQ:5
L:188 M:333 E: Wrong sequence grouping, Amino acids not in groups! ✓
L:189 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8
M:332 Repeated in SeqNo=8
L:210 M:252 E: No. of Seq. differs, <211> LENGTH:Input:214 Found:213 SEQ:8
L:299 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:347 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:13 ✓
L:347 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:13
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:499 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:501 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:26, <213>
ORGANISM:Artificial Sequence
L:501 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:26,Line#:501
L:510 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:512 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>
ORGANISM:Artificial Sequence
L:512 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:27,Line#:512